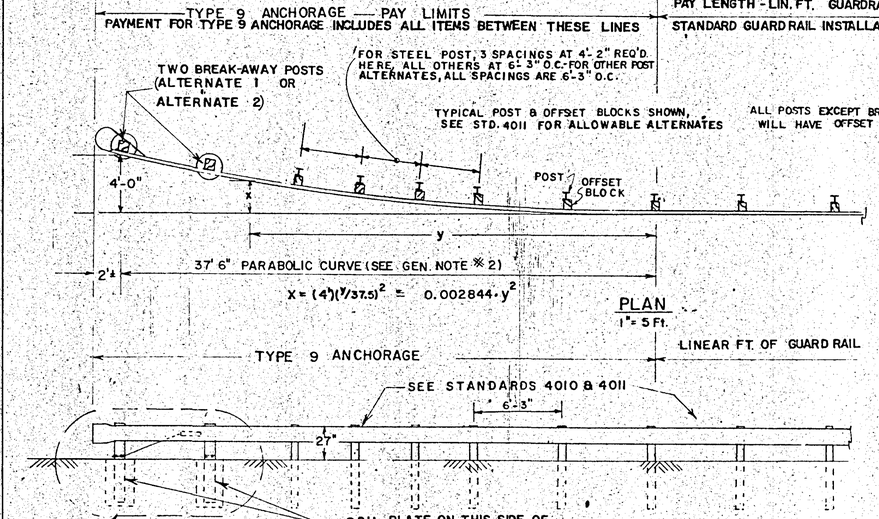
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDF-017-3(39)	126	194

SPECIAL NOTE:
FOR PROJECTS, WHERE ROADWAY IS UNDER TRAFFIC ANCHORAGES ARE TO BE INSTALLED AT THE SAME TIME THAT THE RUN OF GUARD RAIL IS INSTALLED AT ANY SITE.

TYPE 9 ANCHORAGE — PAY LIMITS
PAYMENT FOR TYPE 9 ANCHORAGE INCLUDES ALL ITEMS BETWEEN THESE LINES

PAY LENGTH - LIN. FT. GUARDRAIL
STANDARD GUARDRAIL INSTALLATION

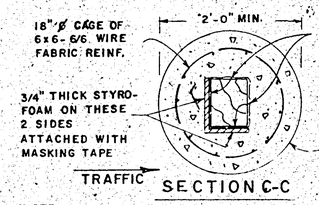


PLAN
1" = 5 Ft.

FRONT VIEW
1" = 5 Ft.

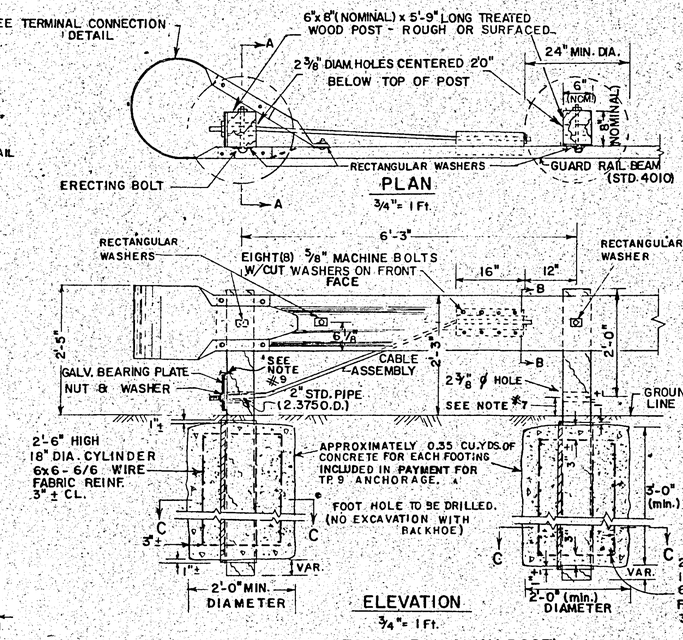
NOTE:
FIRST TWO POSTS WILL BE BREAK-AWAY POSTS AND MAY BE EITHER ALTERNATE 1 (5'-9" LONG WITH CONCRETE FOOTING, AS SHOWN), OR ALTERNATE 2 (3'-6" WOOD POST IN 5'-0" STEEL TUBE WITH SOIL PLATE.)

ALL BREAK-AWAY POSTS WILL HAVE A 6" x 8" (NOMINAL) CROSS SECTIONAL AREA & WILL HAVE A 2-3/8" ø HOLE CENTERED BELOW TOP OF POST ON 8" SIDE AS SHOWN.
ALL POSTS SHALL BE ERECTED, SO THAT GUARDRAIL WILL HAVE A TOP OF RAIL HEIGHT OF 2'-3".



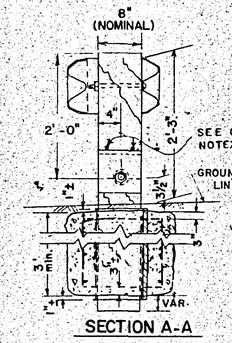
SECTION C-C

NOTE:
WRAPPING OR STYROFOAM WILL NOT BE SECURED TO POST. NAILS, TACKS OR STAPLES WILL NOT BE USED. WRAP AND STYROFOAM WILL EXTEND FROM 1" BELOW FOOTING TO 1" ± ABOVE THE FOOTING.

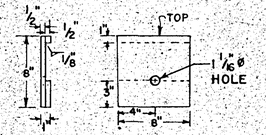


ELEVATION
3/4" = 1 Ft.

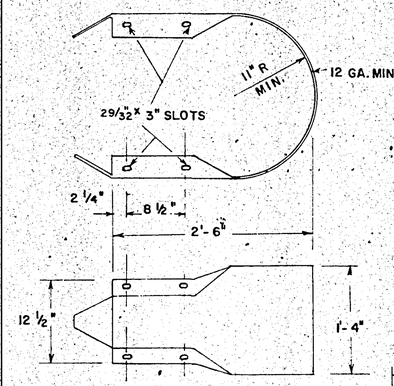
(ALTERNATE 1 BREAK-AWAY POST)



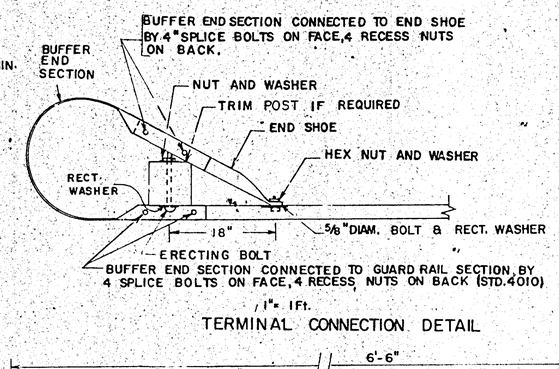
SECTION A-A



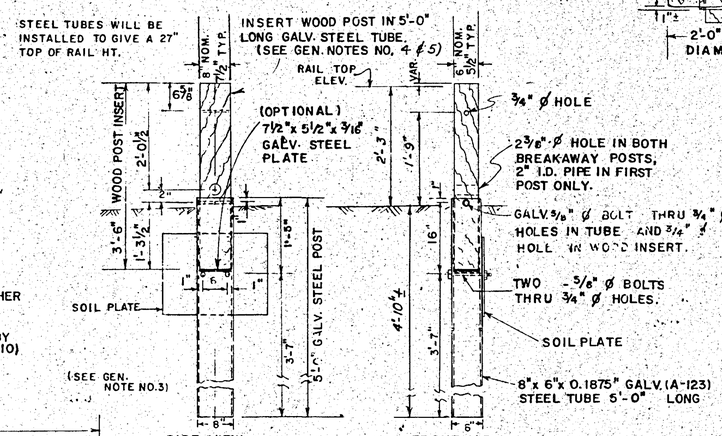
GALVANIZED BEARING PLATE
(FOR ALTERNATE 1 BREAK-AWAY POST)
1 1/2" = 1 FT.



BUFFER END SECTION
NO SCALE



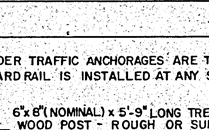
1" = 1 Ft.
TERMINAL CONNECTION DETAIL



SIDE VIEW
FRONT VIEW

NOTE: CABLE ASSEMBLY, RAIL, TERMINAL CONNECTION, ETC., OR OTHER DETAILS NOT SHOWN, WILL BE THE SAME AS FOR ALTERNATE 1.

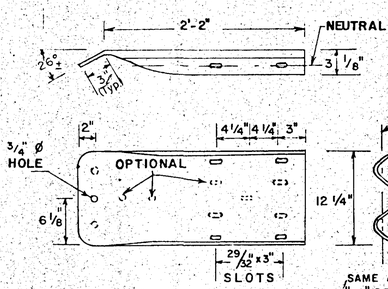
ALTERNATE 2 BREAK-AWAY POST
3/4" = 1 Ft.



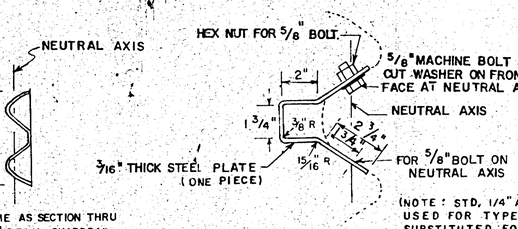
SOIL PLATE
(TO BE ATTACHED TO ALTERNATE 2 BREAK-AWAY POST ON SIDE OPPOSITE OF BUFFER END SECTION.)
3/4" = 1 Ft.

GENERAL NOTES:

1. SPECIFICATIONS: GA. STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
2. RECTANGULAR WASHERS (STD. 4010) ARE REQUIRED FOR CONNECTING RAIL TO BREAKAWAY POST, BUT OMITTED AT OTHER POST.
3. ALTERNATE 2 BREAKAWAY POSTS WILL NOT BE INSTALLED IN UNCOMPACTED FILL OR IN SOILS UNSUITABLE FOR SHOULDER MATERIAL.
4. DETAILS, NOTES, ETC. NOT HERE SHOWN FOR POST, OFFSET BLOCKS, GUARDRAIL, HARDWARE, ACCESSORIES OR RELATED ITEMS WILL BE AS SPECIFIED IN STANDARDS 4010 & 4011.
5. ALTERNATE 2: THE PORTION OF WOOD POST WHICH INSERTS INTO STEEL TUBE MAY BE MACHINE FINISHED OR HAVE CORNERS SLIGHTLY TRIMMED TO GIVE PROPER FIT.
6. ALTERNATE 1: CONCRETE FOOTINGS SHALL BE IN ACCORDANCE WITH SECTION 441, OR CLASS "B" CONC.
7. ALL BREAK AWAY POSTS: THE 2 3/8" DIA. HOLE WILL BE CENTERED NOT MORE THAN 4" ABOVE THE GROUND LINE AS MEASURED IN THE SAME PLANE AS THE FACE OF THE GUARDRAIL.
8. WARPED BREAK-AWAY POSTS WILL BE CAUSE FOR REJECTION.
9. TWO 8d GALV. NAILS ARE REQUIRED IN FIRST POST TO PREVENT ROTATION OF THE BEARING PLATE.
10. ALL CABLE ASSEMBLIES WILL BE INSTALLED BOW STRING TIGHT.



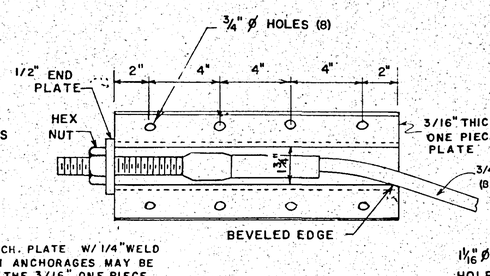
END SHOE DETAIL
NO SCALE



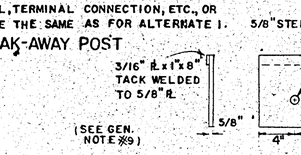
SWAGGED FITTING AND STUD
1" = 4"

SECTION B-B

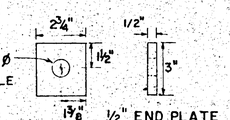
(NOTE: STD. 1/4" ANCH. PLATE W/ 1/4" WELD USED FOR TYPE 1 ANCHORAGES MAY BE SUBSTITUTED FOR THE 3/16" ONE PIECE ANCHOR PLATE SHOWN HERE.)



ANCHOR PLATE DETAILS
1" = 4"



GALVANIZED BEARING PLATE
(FOR ALTERNATE 2 BREAK-AWAY POST)



1/2" END PLATE
1" = 4"

R.M.U.	RAISED CONC. FOOT.	6-17-83
R.M.U.	ADD SEC. C-C	3-12-82
R.M.U.	REV. ALTERNATE 2 POST	3-20-81
R.M.U.	GEN. NOTE No. 2	12-12-79
R.M.U.	RECT. WASHER REQ'MT.	4-3-84
R.M.U.	REM. POST ALTERNATE 1	11-7-85

DEPARTMENT OF TRANSPORTATION,
STATE OF GEORGIA

STANDARD
GUARDRAIL ANCHORAGE
TYPE 9

SCALE AS SHOWN — REV. & REDRAWN. SEPT., 1979

DES. R.M.U.
DWN. R.M.U.
TRA. G.M.E.
CKD. R.K.C.

SUBMITTED: [signature]
STATE ROAD & AIRPORT DESIGN ENGR.
APPROVED: Thomas J. Moreland
STATE HIGHWAY ENGINEER

NUMBER 4050

FORM EF3